Applicant: Harry Meade, Daniel Pollock and Paul

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GA (SEQ ID NO:2).--

Please replace the paragraph at page 11, lines 3-7 with the following rewritten paragraph:

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-- The region immediately upstream of the initiating ATG was then mutagenized using an oligonucleotide with the following sequence: 5' AGT GAA TTC ATG CTC GAG AGC CAT GGC CTG GATC 3' (SEQ ID NO:3). Digestion of the final plasmid with XhoI produced the modified light chain cDNA that was flanked by XhoI cohesive ends.--

## In the claims:

Please amend claims 19, 28, 29 and 30 as follows:

- -- 19. (Amended) A DNA construct for providing a heterologous immunoglobulin in the milk of a non-human transgenic mammal comprising a promoter sequence that results in the preferential expression of a protein-coding sequence in mammary gland epithelial cells, an immunoglobulin protein-coding sequence, a 3' non-coding sequence; and a unique restriction site between the promoter and the 3' non-coding sequence, wherein the immunoglobulin proteincoding sequence is inserted into the restriction site.
- (Reiterated) The construct of claim 19 wherein said promoter is selected from the 21. group consisting of the beta lactoglobulin promoter, whey acid protein promoter, and the lactalbumin promoter.
- 22. (Reiterated) The construct of claim 19 wherein said immunoglobulin proteincoding sequence encodes a light chain or a fragment thereof.
- 23. (Reiterated) The construct of claim 19 wherein said immunoglobulin is of human origin.
- 25. (Reiterated) The construct of claim 19 wherein said promoter is the casein promoter.

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26. (Reiterated) The construct of claim 19, wherein the restriction site is an XhoI restriction site.

27. (Reiterated) The construct of claim 19, wherein the 3' non-coding sequence is a 3' non-coding region from a mammary-specific gene.

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- 28. (Amended) The construct of claim 19, wherein the immunoglobulin protein-coding sequence encodes a heavy chain or a fragment thereof.
- 29. (Amended) A mammary gland epithelial cell comprising the construct of claim 22 and a construct comprising an immunoglobulin protein-coding sequence which encodes a heavy chain or a fragment thereof, operatively linked to a promoter sequence that results in the preferential expression of the protein-coding sequence in mammary gland epithelial cells, wherein the cell expresses the light and heavy chains and secretes a heterologous, assembled immunoglobulin comprising the light and heavy chains in functional form.
- 30. (Amended) A manimary gland epithelial cell comprising the construct of claim 28 and a construct comprising an immunoglobulin protein-coding sequence which encodes a light chain or a fragment thereof, operatively linked to a promoter sequence that results in the preferential expression of the protein-coding sequence in mammary gland epithelial cells, wherein the cell expresses the light and heavy chains and secretes a heterologous, assembled immunoglobulin comprising the light and heavy chains in functional form. --

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